

CLAIMS

1. A golf club head, comprising:
 - a sole plate member being composed of a first material structure having a first density;
 - a top plate member being composed of a second material structure distinct from the first material structure, the material structure of the top plate member having an overall density less than the first material structure of the sole plate member, wherein the top plate member includes at least one high density component having a density greater than the overall density of the top plate member, the high density component being positioned rearwardly along the top plate member;
 - a face plate member being composed of a material structure distinct from the first material structure, the material structure of the face plate member having a density less than the first material structure of the sole plate member; and
 - wherein the sole plate member, the top plate member and the face plate member are secured together to form a golf club head offering improved distance.
2. The golf club head according to claim 1, wherein the sole plate member includes an outer surface and an inner surface, and the outer surface is composed of a first material and the inner surface is composed of a second material which is welded

to the first material of the outer surface, the first material exhibiting a greater density than the second material.

3. The golf club head according to claim 2, wherein wherein the first material is stainless steel and the second material is titanium.

4. The golf club head according to claim 2, wherein the sole plate member is formed by explosion welding.

5. The golf club head according to claim 2, wherein the high density component of the top plate member includes an outer surface and an inner surface, and the outer surface is composed of a first material and the inner surface is composed of a second material which is welded to the first material of the outer surface, the first material exhibiting a greater density than the second material.

6. The golf club head according to claim 5, wherein the first material is stainless steel and the second material is titanium.

7. The golf club head according to claim 6, wherein the high density

component is formed by explosion welding.

8. The golf club head according to claim 1, wherein the high density component of the top plate member includes an outer surface and an inner surface, and the outer surface is composed of a first material and the inner surface is composed of a second material which is welded to the first material of the outer surface, the first material exhibiting a greater density than the second material.

9. The golf club head according to claim 8, wherein wherein the first material is stainless steel and the second material is titanium.

10. The golf club head according to claim 8, wherein the high density component is formed by explosion welding.

11. The golf club head according to claim 1, wherein the top plate member includes at least one component formed from a second material which is less dense than a first material, and the top plate member includes a forward top plate member formed from the second material and a rearward top plate member composed of the high density member; the rearward top plate member includes an outer surface and an

inner surface, and the outer surface is composed of the first material and the inner surface is composed of the second material which is welded to the first material of the outer surface.

12. The golf club head according to claim 11, wherein the first material is stainless steel and the second material is titanium.

13. The golf club head according to claim 11, wherein the rearward top plate member is formed by explosion welding.